

REMARKS

Claims 5-12, 31-34 and 43-46 are pending, with claims 5, 7, 9 and 11 being independent. By this amendment, claims 21-28, 39, 40, 51-60 and 61-104 have been canceled without waiver or prejudice. In addition, the title has been amended as requested by the Examiner. No new matter has been introduced.

Claims 21, 23, 25-28, 39, 40, 51-60, 81-88 and 97-104 have been rejected as being anticipated by Fukuyama (U.S. Patent No. 6,831,406). This rejection is obviated by the cancellation of these claims.

Claims 5-12, 31-34 and 43-46 have been rejected as being unpatentable over Ueda (U.S. Patent No. 6,558,817) in view of So (U.S. Patent No. 5,925,980).

With respect to independent claims 5 and 7, and their dependent claims, applicant requests reconsideration and withdrawal of this rejection because neither Ueda, So, nor any proper combination of the two describes or suggests a mixed region between a hole injecting layer and a hole transporting layer, as recited in each of claims 5 and 7. Recognizing that Ueda does not describe a mixed layer between a hole transporting layer and a hole injection layer, the rejection turns to So as doing so. However, as noted, for example, at col. 1, lines 37-52, So is directed to an interface between an electron transporting organic region and a hole transporting organic region. So handles this interface by interposing a mixed layer between the electron transporting region and the hole transporting region. So nowhere describes or suggests an interface between a hole injecting layer and a hole transporting layer and, like Ueda, does not describe or suggest including a mixed layer at such an interface. Accordingly, neither Ueda or So provides any motivation for including a mixed layer between a hole injecting layer and a hole transporting layer and, as such, Ueda and So may not be properly combined to do so. For at least this reason, the rejection of claims 5 and 7, and their dependent claims, should be withdrawn.

Similarly to claims 5 and 7, independent 9 and 11 recite a mixed region between an electron injecting layer and an electron transporting layer. As with the hole injecting and transporting layers of claims 5 and 7, So nowhere describes or suggests an interface between an

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electron injecting layer and an electron transporting layer and, like Ueda, does not describe or suggest including a mixed layer at such an interface. Accordingly, neither Ueda or So provides any motivation for including a mixed layer between an electron injecting layer and an electron transporting layer and, as such, Ueda and So may not be properly combined to do so. For at least this reason, the rejection of claims 9 and 11, and their dependent claims, should be withdrawn.

Applicant submits that all claims are in condition for allowance.

Enclosed is a \$120.00 check for a One-Month Extension of Time fee. Please apply any other charges or credits to deposit account 06-1050.

Respectfully submitted,

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